IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND the claims as follows:

1. (CURRENTLY AMENDED) A partial reprojection method for use in a three-dimensional CAD system, the method comprising:

generating a two-dimensional projection of a three-dimensional assembly model formed of a plurality of parts by projecting ~~an~~ the three-dimensional assembly model formed of ~~a~~the plurality of parts, the two-dimensional projection having part information based on a coordinate system of the three-dimensional assembly model for each of the plurality of parts;

grouping two-dimensional elements together in the two-dimensional projection for each ~~part of the assembly model~~ of the plurality of parts to form a part group for each of the plurality of parts;

adding ~~in advance attributes of each part of the assembly model to the two-dimensional projection as~~ part information ~~required for a reprojection~~ to the part group when said grouping is preformed, the part information including a part name, a line of sight, and a part position ~~of each part of the assembly model, the part information being obtained when the assembly model is projected~~ for each of the plurality of parts;

leaving the three-dimensional assembly model unloaded and loading, as a target for a partial reprojection, a modified three-dimensional part model ~~generated by modifying a shape of a three-dimensional part model that is a part of the assembly model~~ of a part of which a shape has been modified among the plurality of parts;

deciding a projecting direction ~~of~~ applicable to the modified three-dimensional part model based on [[a]] the line of sight included in the part information of [[a]] the part whose modified three-dimensional part model is to be ~~reprojected included in the part information~~ subjected to the partial reprojection;

deciding, in the two-dimensional projection of the assembly model, a generating position ~~of~~ in which two-dimensional elements of the modified three-dimensional part model are to be

generated based on ~~a position of~~ the part position ~~to be reprojected~~ included in the part information of the part whose modified three-dimensional part model is to be subjected to the partial reprojection; and

performing, based on the ~~decided~~ projecting direction and the ~~decided~~ generating position thus decided, the partial reprojection of the modified three-dimensional part model, ~~to generate a modified two-dimensional projection~~ and generating a modified version of the two-dimensional projection of the assembly model by reflecting the shape that has been changed.

2. (Currently Amended) The partial reprojection method according to claim 1, further comprising:

~~adding, to the two-dimensional projection, projection information including information about a loaded model and a projected model; and~~

deciding which should be performed, an entire reprojection based on the assembly model or [[a]] the partial reprojection based on the modified three-dimensional part model ~~in accordance with the projection information~~, wherein:

if the partial reprojection is decided to be performed, only the shape ~~is~~ that has been changed is reflected in the modified version, and the part information ~~and the projection information are not changed; and~~ is unchanged

~~if the entire reprojection is decided to be performed, a projection direction of the assembly model is decided based on the projection information~~.

3-5. (CANCELLED)

6. (CURRENTLY AMENDED) A computer-readable medium storing a program for a three-dimensional CAD system, the program causing a computer to perform:

generating a two-dimensional projection of a three-dimensional assembly model formed of a plurality of parts by projecting ~~an~~ the three-dimensional assembly model formed of the plurality of parts, the two-dimensional projection having part information based on a coordinate system of the three-dimensional assembly model for ach of the plurality of parts;

grouping two-dimensional elements together in the two-dimensional projection for each ~~part of the assembly model formed~~ of [[a]] plurality of parts to form a part group for each of the plurality of parts;

adding ~~in advance, attributes of each part of the assembly model to~~ the ~~two-dimensional~~

~~projection as~~ part information ~~required for a reprojection~~ to the part group when said grouping is performed, the part information including a part name, a line of sight, and a part position ~~of each part of the assembly model, the part information being obtained when the assembly model is projected~~ for each of the plurality of parts

leaving the three-dimensional assembly model unloaded and loading, as a target for a partial reprojection, a modified three-dimensional part model ~~generated by modifying a shape of a three-dimensional part model that is a part of the assembly model~~ of a part which a shape has been modified among the plurality of parts;

deciding a projecting direction ~~of~~ applicable to the modified three-dimensional part model based on [[a]] the line of sight included in the part information of [[a]] the part whose modified three-dimensional part model is to be ~~reprojected included in the part information~~ subjected to the partial reprojection;

deciding, in the two-dimensional projection of the assembly model, a generating position ~~of~~ in which two-dimensional elements of the modified three-dimensional part model are to be generated based on ~~a position of~~ the part position ~~to be reprojected~~ included in the part information of the part whose modified three-dimensional part model is to be subjected to the partial reprojection; and

performing, based on the ~~decided~~ projecting direction and the ~~decided~~ generating position thus decided, the partial reprojection of the modified three-dimensional part model, ~~to generate a modified two-dimensional projection~~ and generating a modified version of the two-dimensional projection of the assembly model by reflecting the shape that has been changed.

7. (Currently Amended) The computer-readable medium according to claim 6, the program causing the computer to further perform:

~~adding, to the two-dimensional projection, projection information including information about a loaded model and a projected model; and~~

deciding which should be performed, an entire reprojection based on the assembly model or [[a]] the partial reprojection based on the modified three-dimensional part model ~~in accordance with the projection information~~; wherein:

if the partial reprojection is decided to be performed, only the shape ~~is~~ that has been changed is reflected in the modified version, and the part information a~~nd the projection information are not changed; and~~ is unchanged

~~If the entire reprojection is decided to be performed, a projection direction of the assembly model is decided based on the projection information.~~

8-9. (Cancelled)